

Claims

1. Water filter cartridge, especially for treating drinking water in beverage machines or drinking water devices, with a replaceable control unit to monitor the condition of the water filter cartridge, characterized in that the control unit includes a sensor unit (11) with at least one conductance sensor (13, 14).
2. Water filter cartridge according to Claim 1, characterized in that the conductance sensor (13) is provided to measure the conductivity of the filtered water.
3. Water filter cartridge according to one of the preceding claims, characterized in that sensor elements (13) are provided which project into the housing (2) of the filter cartridge (1).
4. Water filter cartridge according to one of the preceding claims, characterized in that at least one passage and/or at least one break point are provided for one or more sensor elements (13) to go through.
5. Water filter cartridge according to one of the preceding claims, characterized in that a conductance sensor (19) is provided to measure the quality of the unfiltered water.
6. Water filter cartridge according to one of the preceding claims, characterized in that an electronic evaluation unit (19) is provided.
7. Water filter cartridge according to one of the preceding claims, characterized in that the electronic evaluation unit (19) takes into account the difference between at least two conductance values in performing its evaluation.
8. Water filter cartridge according to one of the preceding claims, characterized in that a temperature sensor (15) is provided.

9. Water filter cartridge according to one of the preceding claims, characterized in that a timing element is provided for determining the time.
10. Water filter cartridge according to one of the preceding claims, characterized in that a display (16) is provided for the condition of the water filter cartridge (1).
11. Water filter cartridge according to one of the preceding claims, characterized in that fastening elements (12) are provided to fasten the sensor unit (11) to the filter cartridge (1).
12. Water filter cartridge according to one of the preceding claims, characterized in that at least some of the fastening elements are catches (12).
13. Beverage machine or drinking water device with a drinking water treatment system, characterized in that a water filter cartridge (1) according to one of the preceding claims is provided.